

Secretion of Hyaluronidase in Different
Classes of Vertebrates, by Yu. V. Matocina, 5 pp.

RUSSIAN, per, Byul Ekspur Biol i Med, Vol XLVIII,
No 10, 1959, pp 10-13.

CS

Sci -
Jul 60

121,081

Succinic dehydrogenase in the sodium-reabsorbing segments of the nephron of vertebrates, by Yu. V. Natchin, T.V. Krestinskaya, 6 pp.

RUSSIAN, per, Fiziol Zhur SSSR imeni I.M. Sechenova, Vol XLVII, No 3, 1961.

PP

200,743

Sci
Apr 62

A Modification of the Viscometric
Method of Microestimation of the
Hyaluronidase Activity of Biological
Fluids, by Yu. V. Natchin. 3 pp.

RUSSIAN, per, Byul Eksp. Biol. i Med.,
Vol XLVIII, No 8, 1959, p 118.

Consultants Bureau

Sci.

111,551

Ms. 60

The Role of Myofibrils, Myoserum, and the
Sarcolemma in the Muscle-Contraction Process,
~~Abstract~~ by R. Natori, 18 pp.

JAPANESE, rpt, Reports of the Second Physiological
Conference, 10 Nov 1956, pp 1-6. Jikei School of
Medicine.

SLA 57-2845

BIB Tr 10-3

Sci - Medicine

54,651

Oct 57

REF 913

The Medical Industry, by A. Petradas, 3 pp.

RUSSIAN, encyclopedia, Bol'shaya Meditsinskaya
Enciklopediya, Vol XVII, 1960, pp 703-706.

JERS 9190

61-5-5

Med - Med

Jan 61.

153, 238

(NY-6819)

A HIGHER LEVEL OF SCIENTIFIC RESEARCH,
BY A. G. NATRADZE, A. G. BAYCHIKOV,
12 PP.

RUSSIAN, PER, MEDIT PROM SSSR, NO 9, 1961,
PP 12-16.

JPRS 12152

SCI MISC
FEB 62

180,659

**Certain Problems in Production and Science Encountered
in the Field of Antibiotics, by A. G. Nestrudne,
8 pp.**

**RUSSIAN, per, Antibiotiki, Vol VII, No 9,
1962, pp 771-776.**

JMS 16162

Sci - Med

Nov 62

217, 412

Investigation of the Film Fractionation of
Binary Mixtures, by A. G. Natradze, 13 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol XXVII, No 6,
1954, pp 600-612.

Sci Mus Lib No 55/1053

Sci - Chemistry, Physics
CDS 71/Aug 1955

25, 1736

Consultants Bureau

CIA C 39525

(NY-6503)

PRODUCTION OF MEDICINAL PREPARATION AND MEDICAL
EQUIPMENT ITEMS IN THE PERIOD 1959-1965,
BY A. G. MATRADZE, 105 PP.

RUSSIAN, BOOK, PROIZVODSTVO LEKARSTVENNIYKH
PREPARATOV I IZDELIY MEDITSINSKOY TEKHNIKI
V 1959-1965 GG, 1961, PP 1-64.

JPRS 14361

USSR
ECON
JUL 62

202,301

S-4194

DC-1846

Medical Industry, by P. V. Gusenkov, A. G. Matradze,
20 pp.

RUSSIAN, bk, Sorok Let Sovetskogo Zdravookhraneniya,
Moscow, 1957, pp 513-556.

US JPRS/DC-L-1020

URSS

Sci - Med

Dec 58

70.458

Chemical Bases for Present-Day Trends in
Investigation of Medical Compounds, by A. G.
Matradze, 43 pp.

RUSSIAN, bimo per, Uspekh Khim, Vol IV, No 4,
1946, pp 427-455.

CIA/PDD/X-1457
NLI

Scientific - Chemistry, chemotherapy

13, 721



(SF-1061)

All-Union Conference of Workers of the USSR
Medical Industry, by A. G. Natradze, 6 pp.

RUSSIAN, per, Medit Prom SSSR, Vol XIV, No 6,
1960, pp 3-6.

JPRS 4067

Sci - Med

Oct 60

1028,016

Natrads, A. G. and Mikhlina, Ye. Ye.
THE SYNTHESIS OF RACEMIC ISOPROPYLPILO-
SININE. Pt. 20 of Studies in the Pilocarpine Series of
Alkaloids. [1961] 10p.
Order from ATS \$13.30

ATS-81148R

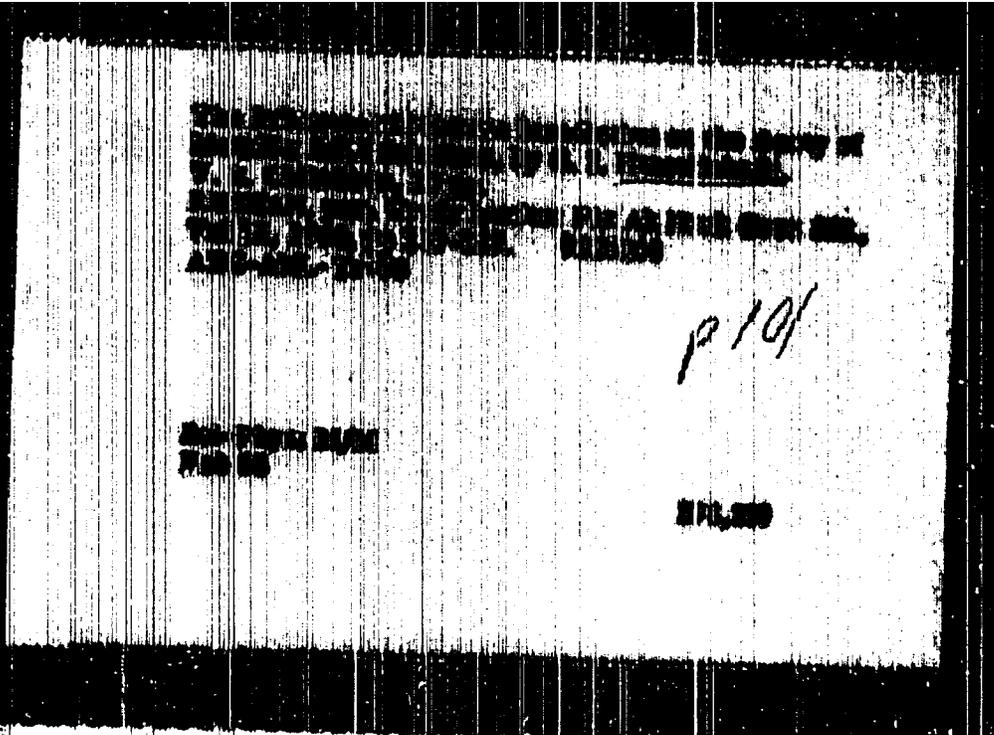
Trans. of Zhur[nal Obshchey Khimii] (USSR) 1967,
v. 17, no. 9, p. 1718-1727.

(Biological Sciences--Pharmacology. TT, v. 5, no. 10)

61-12999

- I. Alkaloids--Synthesis
- I. Natrads, A. G.
- II. Mikhlina, Ye. Ye.
- III. Title: Studies...
- IV. ATS-81148R
- V. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services



Study of the Natural Facets of Zn with the
Aid of an Electron Microscope, by G. I.
Natsvlishvili.
RUSSIAN, per, Trudy, Institut Fiziki,
Akad Nauk SSSR, Vol VIII, 1962,
pp 213-252
STO-MT-65-682

G. I. Natsvlishvili

Sci-Elec
Oct 65

THESES FOR TENTH ITALIAN CP CONGRESS ARE GIVEN
FIRST READING, BY ALESSANDRO NATTA, 7 PP.

ITALIAN, PER, RINASCITA, VOL. XIX, 15 SEP 1962,
PP 3, ~~XIX~~ 4.

JPRS 15664

WEUR - ITALY
POL .
OCT 62

214,978

From and Purpose of Bureau of the Commission in the PCI, by
Alexander Ross, 25 p.

ITALIAN, Prof. Enrico Berlinguer, No. 2, 2, Sept-Dec 1962, pp 120-
122.

SPRING

FR-1007
74
IN 64

NOV. 67

(DD-3601)

Democracy in the Party by Pajetta and Natta,
by Gian Carlo Pajetta, Alessandro Natta, 17 pp.

FRANCE, per, Rinascolta, Vol XVIII, No 12, 1961,
pp 929-934.

JPRS 12491

MEMOR

MEMOR - Italy

Polit

Feb 62

185, 041



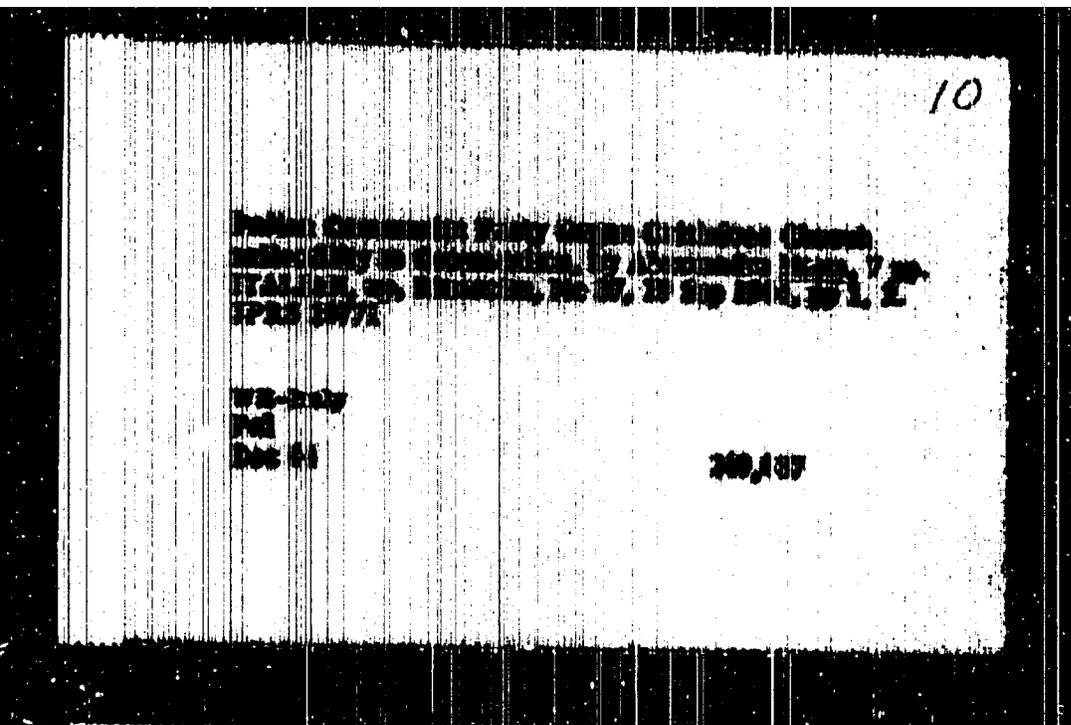
NATTA: UNIFORM DEVELOPMENT OF MARXIST STUDIES,
BY ALESSANDRO NATTA, 13 PP.

ITALIAN, PER, RINASCITA, NO 26, 3 NOV 1962,
PP 25, 26.

JPRS 17146

WEUR - ITALY
POL
JAN 63

219,410



Improvements in Needle Blocking Devices for Medical
Syringes With Rings, With Handle, and the Ordinary
Types, by Antonio Natta, 3 pp.

ITALIAN, Patent No 363,380.

Patent Office

Sci - Ingr. or Med

Oct 62

212,713

Alternating Stereospecific Copolymerisation⁵⁶
of Ethylene and 2-Butene, by G. Natta,
G. Asta.

GERMAN, per, Kolloid-Zeit und Zeit für
Polymere, Vol 182, No 1-2, 1962, pp 50-60.
NTC 69-11482-07C

G. NATTA

Sci-Chem
July 69

387,070

63-26633

Natta, G., Pasquon, L. and others.
KINETICS OF PROPYLENE POLYMERIZATION WITH
HETEROGENEOUS CATALYSTS OF HIGH STEREO-
SPECIFICITY, NOTE VII. STUDY OF THE POLYMER
CHAIN INITIATION STEPS. 15p. 14refs MTWL-1145
Order from: CTS or LTC \$0.80 63-26633

- I. Natta, G.
- II. Pasquon, L.
- III. MTWL-1145
- IV. Stichting voor Moedelijk
Toegankelijke Wetens-
chappelijke Literatuur
(Netherlands).
- V. Title: Study ...

1252396

Trans. of la Chimica e l'Industria (Italy) 1962, v. 44,
no. 6, p. 621-626.

Another trans. is available from CTS (China) \$12.00,
subsequent copies \$1.00 ea. as CTS (Chem)-298,
3000 words.

DESCRIPTORS: *Propenes, *Polymerization, Mecha-
nics, Chemical reactions, Catalysts, *Polyethylene
plastics.

Office of Technical Services

(Materials--Plastics, TT, v. 10, no. 10)

Natta, G., Ercoli, R., Calderazzo, F., and Santambrogio, E.
CONCERNING SOME REACTIONS OF THE ARYL-
CHROMOTRICARBONYLS. [1969] 19p
Order from K-H \$19.00 K-H 8891

Trans. of la Chimica e l'Industria (Italy) 1958, v. 40
[no. 12] p. 1005-1007.
Another trans. is available from SLA ml\$2.70,
pb\$4.80 no 59-10425 [1959] 24p.

DESCRIPTORS: *Metalorganic compounds, Benzene
derivatives, *Pyridines, *Chromium compounds,
*Carbonyl radicals, Chemical reactions.

For abstract see Technical Translations 1: 398, 1959.

(Chemistry--Organic, TT, v. 10, no. 10)

63-22466

1. Title: Arene Chromotri-
carbonyls
- I. Natta, G.
- II. Ercoli, R.
- III. Calderazzo, F.
- IV. Santambrogio, E.
- V. K-H-8891
- VI. Kreuze-Hooker Science
Library Associates,
Detroit, Mich.

1852410

Office of Technical Services

Natta, G., Porri, L., and others.
OPTICALLY ACTIVE ISOTACTIC trans-1,
4 POLYPENTADIENE. Letter to the Editor. 1961.
900 words, 3 refs.

Order from CTS(Chem) \$4.00 CTS(Chem)-216
subsequent copies \$0.75/ea.

Trans. of [1a] Chimica e [1] Industria (Italy) 1961,
v. 43, no. 3, p. 529.

DESCRIPTORS: *Pentadienes, Polymers, Synthesis,
Optics.

(Chemistry--Organic, TI, v. 6, no. 6)

61-22740

- I. Natta, G.
- II. Porri, L.
- III. CTS(Chem)-216
- IV. Chemical Translating
Service, Palo Alto,
Calif.

Office of Technical Services

62-18918

Natta, G., Pasquon, I., and Dente, M.
DISTRIBUTION CURVE OF POLYMERS OBTAINED IN
PROCESSES CHARACTERIZED BY TERMINATION
THROUGH CHAIN TRANSFER WITH THE MONOMER.
Note 2 on Calculation of the Distribution of the
Molecular Weights in the Slow Polymerizations.
[1962] 28p. (figs. omitted) 6 refs.
Order from SLA \$2.60

62-18918

Trans. of la Chimica e l'Industria (Italy) 1962, v. 44
{no. 1} p. 10-17.
Another trans. is available from CTS (Chem) \$14.80
(subsequent copies \$2.50/ea.) as CTS (Chem)-273,
May 62, 3700 words.

DESCRIPTORS: Polymers, *Polymerization, *Molec-
ular weigh, Distribution, *Statistical functions,
Numerical analysis, Partial differential equations.
(See also CTS(Chem)-272)
(Chemistry--Physical, TT, v. 9, no. 11)

I. Natta, G.
II. Pasquon, I.
III. Dente, M.
IV. Title: Calculation...

Office of Technical Services

63-12861

Natta, G., Asta, G. dall' and Mazzanti, G.
CRYSTALLINE ALTERNATING ETHYLENE-CYCLO-
HEPTENE COPOLYMERS. Jan 63, 3000 words, 8 refs.
Order from CTS(Chem) \$12.00 CTS(Chem)-318
subject copy \$2.00/ea.

Trans. of [In] Chimica e [I]ndustria (Italy) 1962,
v. 44, no. 11, p. 1212-1216.

DESCRIPTORS: Polymers, *Ethylene, *Cycloheptene,
Copolymerization, Catalysts, Vanadium catalysts,
Aluminum catalysts, Crystal structure, Chemical
bonds, Heptenes.

(Chemistry--Organic, TT, v. 9, no. 6)

- I. Natta, G.
- II. Asta, G. dall'
- III. Mazzanti, G.
- IV. CTS(Chem)-318
- V. Chemical Translating
Service, Falls Alto
Calif.

Office of Technical Services

Natta, G., Crepi, G., and Bruzzone, M.
RUBBER-ELASTIC PROPERTIES OF ETHYLENE-
PROPYLENE COPOLYMERS. [1961] 15p.
Order from ATS \$23.50 ATS-77N55G

Trans. of Kautschuk u[nd] Gummi (Germany) 1961,
v. 14, no. 3, p. WT54-WT60.

DESCRIPTORS: *Ethylene, *Propene, Copolymeri-
zation, Polymers.

(Chemistry--Organic, TT, v. 7, no. 9)

62-12035

- I. Natta, G.
- II. Crepi, G.
- III. Bruzzone, M.
- IV. ATS-77N55G
- V. Associated Technical Services, Inc., East Orange, N. J.

207895

Office of Techn. Services

Natta, G., Porri, Lido, and Carbonaro, A.
CRYSTALLINE ORGANOMETALLIC COMPLEXES
CONTAINING ALUMINUM AND COBALT HAVING
STEREOSPECIFIC CATALYTIC PROPERTIES. [1961]
6p. 2 refs.

Order from SLA \$1.10

61-18845

Trans. of Accad[em]ia Naz[ionale] [e dei] Lincei.
Classe [di] Sci[en]ze Fis[iche] Mat[ematiche] e
Nat[urali]. Rendiconti (Italy) 1960, v. 29 (no. 5)
p. 491-496.

Another trans. is available from CTS (Chem) \$9.60 or
CTS (Chem)-221, 1961, 2400 words.

DESCRIPTORS: *Metalorganic compounds, *Complex
compounds, *Aluminum compounds, *Cobalt com-
pounds, Chemical reactions, Catalysts, Catalysis,
Synthesis, Chemical properties.

(Chemistry--Organic, TT, v. 7, no. 1)

(over)

61-18845

I. Natta, G.
II. Porri, L.
III. Carbonaro, A.

Office of Technical Services

<p>Natta, G., Mazzanti, G. and others. LINEAR ISOTACTIC HIGH POLYMERS OF ACET- ALDEHYDE [1960] 9p. Order from ATS \$11.00</p>	<p>61-12093</p> <ol style="list-style-type: none">1. Acetaldehyde--Polymeri- zation2. Title Isotactic polymers <ol style="list-style-type: none">I. Natta, G.II. Mazzanti, G.III. ATS-30M45IIV. Associated Technical Services, Inc., East Orange, N. J.
<p>Trans. of Accademia Nazionale [e dei] Lincei. Classe [di] Scienze Fisiche, Matematiche e Naturali). Rendiconti [Italy] 1960, v. 28, no. 1, p. 8-17.</p>	
<p>(Chemistry--Organic, TT, v. 5, no. 2)</p>	<p>Office of Technical Services</p>

ATS-676-IJ

Natta, G., Corradini, P., and Bassi, I. W.
CRYSTALLINE STRUCTURE OF ISOTACTIC POLY-
ACETALDEHYDES. [1962] [17]p. 11 refs.
Order from SLA \$11.60

63-10821

63-10821

I. Natta, G.
II. Corradini, P.
III. Bassi, I. W.

Trans. Accad[em]ia Naz[ionale dei] Lincei. [Classe di
Scienze Fisiche, Matematiche e Naturali. Rendiconti]
(Italy) 1960 [ser. 8] v. 23, p. 284-292.

DESCRIPTORS: *Acetal plastics, *Acetaldehydes,
Polymers, *Crystal structure, Molecular structure,
Molecular properties, X-ray diffraction analysis

(Materials--Plastics, TT, v. 10, no. 1)

Office of Technical Services

63-22467

Natta, G., Ercoli, R., and Calderazzo, F.
SYNTHESIS OF AROMATIC-CHROMIUM-TRICAR-
BONYL COMPOUNDS [Sintesi di Arene-Cromo-Tri-
carbonili]. [1963] 10p
Order from K-H \$10.00 K-H 8254

Trans. of la Chimica e l'Industria (Italy) 1958, v. 40,
no. 4, p. 287-289.

Another trans. is available from S.I.A. ml \$1.80,
pb \$1.80 as b1-10700 [1961] 9p.

DESCRIPTORS: *Metalorganic compounds, Synthesis
(Chemistry), Benzen derivatives, *Chromium com-
pounds, *Carbonyl radicals, *Benzenes, *Toluenes,
*Xylenes, *Naphthalenes, *Benzotates.

For abstract see Technical Translations b: 5-46, 1961.

(Chemistry--Organic, TT, v. 10, no. 11)

- I. Title: Arene chromotri-
carbonyls
- I. Natta, G.
- II. Ercoli, R.
- III. Calderazzo, F.
- IV. K-H-8254
- V. Krieger-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Distribution of the Monomeric Units in Ethylene-Propylene Copolymers, by G. Matta, G. Mazzanti, 23 pp.

ITALIAN, per, Chimica d. l'Industria, Vol XLII, No 2, 1960, pp 125-132.

SLA 60-16775

Sci

Mar 62

Vol IV, No 6

190,054

Di-Isotactic Polymers, by G. Matta, N. Parina,
M. Porsillo.

ITALIAN, per, Chimica Industriale, Vol XLII,
No 3, 1960, pp 225-259.

CRS(CI)120

Sci
25 May 62
Vol IV, No 8

198, 243

Natta, G., Beati, E. and others.
GRAFT POLYMERS: POLYSTYRENE GRAFTED ON
POLYBUTENE. [1961] 10p. 4 refs.
Order from SLA \$1.10

61-16703

Trans. of [la] Chimica e [l']Industria (Italy) 1960, v. 42,
no. 4, p. 348-352.

Another translation is available from CTS (Chem) \$10.80
as CTS (Chem)-129 [1960] 10p.

DESCRIPTORS: *Polymers, *Butenes, *Styrenes,
Polymerization.

For abstract see Technical Translations 4: 313, 1960.

(Chemistry--Organic, TT, v. 6, no. 5)

61-16703

I. Title: Graft polymers
I. Natta, G.
II. Beati, E.

Office of Technical Services

Polymizations Promoted by Metal Amides and Their
Stereospecificity, by G. Natta, G. Mazzanti, 16 pp.

ITALIAN, per, Chimica e L'Industria, Vol. XLII, No 5,
1960, pp 457-462.

OTB(Chem)-133

Sci

Mar 62

Vol. IV, No 6

190, 056

Natta, Giulio, Corradini, Paolo, and Allegra,
Giuseppe.

CRYSTAL STRUCTURE OF γ -FORM OF TITANIUM
TRICHLORIDE. [1964] 9p 5r/s

Order from SLA \$1.10

TT-64-1497

Trans. of Accademia Nazionale dei Lincei. Classe
[di Scienze Fisiche Matematiche e Naturali].
Rendiconti (Italy) 1959 [ser. 8] v. 26, no. 2,
p. 155-163.

Other translations are available from SLA at \$1.00,
ph \$1.00 as TT-61-14479 [1961] 10p and \$1.60 as
TT-63-18387, 25 Feb 63 [16p].

(Physics--Solid State, TT, v. 12, no. 1)

TT-64-14957

- I. Natta, G.
- II. Corradini, P.
- III. Allegra, G.

55431

Office of Technical Services

Natta, G., Paquon, L. and Dente, M.
CALCULATION OF MOLECULAR WEIGHT DISTRIBUTION IN SLOW POLYMERIZATIONS. I. AVERAGE DEGREES OF POLYMERIZATION FOR POLYMERS OBTAINED IN PROCESSES CHARACTERIZED BY TERMINATION THROUGH CHAIN TRANSFER WITH MONOMER. May 62. 5200 words, 10 refs.
(Order from CTS(Chem) 520, 50 CTS(Chem)-272
subsequent copies \$3.50/ea.)

Trans. of [la] Chimica e [l']Industria (Italy) 1962,
v. 44, no. 1, p. 119

DESCRIPTORS: *Polymers, Polymerization, *Molecular weight, Distribution, *Statistical functions, Numerical analysis, Differential equations.

(Chemistry--Organic, TT, v. 8, no. 2)

62-17339

- I. Natta, G.
- II. Paquon, L.
- III. Dente, M.
- IV. Title: Average ...
- V. CTS(Chem)-272
- VI. Chemical Translating Service, Palo Alto, Calif.

(221838

Office of Technical Services

Natta, G. and Corradini, P.
 GENERAL ASPECTS OF THE CRYSTALLINE STRUCTURE OF STEREOREGULAR POLYMERIS. Communication presented at the National Congress of Chemistry (no. 9) held jointly with the Swiss Chemical Society, Naples, 27 May-9 June 62. [1963] 9000 words, 53 refs. Order from CTS(Chem) \$36.00 CTS(Chem)-334 subsequent copies \$5.00/ea.

Trans. of [Ia] (Istituti e [1]Industria (Italy) 1963, v. 45, no. 3, p. 299-314.

DESCRIPTORS: *Polymers, *Stereochemistry, *Crystal structure, *Molecular isomerism, *Molecular structure, *Physical properties, *Plastics, Rubber, *Synthetic rubber, *Fibers

(Chemistry-Physical, TT, v. 10, no. 2)

62-17434

- I. Title: Stereoregular polymers
- II. Natta, G.
- III. Corradini, P.
- IV. Title: National...
- V. Title: Swiss...
- VI. CTS(Chem)-334
- VII. Chemical Translating Service, Palo Alto, Calif.

Office of Technical Services

Natta, G., Mazzanti, G. and others.
A PATENT ON ORGANOMETALLIC COMPLEXES,
[1961] 7p.
Order from ATS \$9.75

ATS-51N51F

Trans. of Belgian patent 586,481 (1960?)
Another translation is available from TTIS \$14.00 as
TTIS-N. S. 6, 1960, 2300 words.

DESCRIPTORS: *Metalorganic compounds, *Complex
compounds, Synthesis, Polymerization, Catalysts

(Chemistry--Organic, TT, v. 6, no. 3)

61-22647

- I. Natta, G.
- II. Mazzanti, G.
- III. Patent (Belgium) 586 481
- IV. ATS-51N51F
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office Technical Services

Heteroblock Copolymers and the Process for Their
Preparation, by Giulio Natta, Ittore Giachetti,
Italo Pasquon, 2 pp.

ITALIAN, Patent Appl No 6083, 18 Apr 1958; Patent
Appl No 9042, 12 Jun 1958.

CIA/FDD XX-2802

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem

Apr 60

USIB INTERNAL USE ONLY

Natta, G., Pasquon, I., and Dente, M.
CALCULATION OF MOLECULAR WEIGHT DISTRIBUTION IN SLOW POLYMERIZATIONS. II. DISTRIBUTION CURVES FOR POLYMERS OBTAINED IN PROCESSES CHARACTERIZED BY TERMINATION THROUGH CHAIN TRANSFER WITH MONOMER.
May 62. 3700 words, 6 refs.
Order from CTS (Chem) \$14.00
subsequent copies \$2.50/ea. CTS (Chem)-273

Trans. of [la] Chimica e [1]Industria (Italy) 1962,
v. 44, no. 1, p. 10-17.

DESCRIPTORS: *Polymers, *Polymerization, *Molecular weight, *Distribution, *Statistical functions, Numerical analysis, Partial differential equations.
(See also CTS(Chem)-272)

(Chemistry--Organic, TT, v. 8, no. 2)

62-17340

- I. Natta, G.
- II. Pasquon, I.
- III. Dente, M.
- IV. Title: Distribution ...
- V. CTS(Chem)-273
- VI. Chemical Translating Services, Palo Alto, Calif.

(251534)

Office of Technical Services

Stereospecific Polymerization of Vinyl Aromatic
Monomers. IV. Reactivity of the Monomers in the
Overall Process, by G. Matta P. Danusso, et al,
20 pp.

ITALIAN, per, la Chimica e l'Industria, Vol XLI,
No 10, 1959, pp 968-974.

SIA 60-14211

Sci
OTS, Vol III, No 8
Apr 61

145, 119

Stereospecific Polymerizations of Conjugated
Diene. V. The Preparation and Properties
of Isotactic 1,2-Polybutadiene, by G. Natta,
I. Perri.

IMMENSE, per, Chimica Industriale, Vol XII,
No 12, 1959, pp 1163-1169.

CRB(Chem)-103

Sci
25 May 62
Vol IV, No 8

198, 218

The Stereospecific Polymerization of Vinyl Ethers,
by G. Natta, G. Dall'Asta, et al, 12 pp.

GERMAN, per, Angewandte Chemie, Vol LXXI, No 6,
1959, pp 205-210.

SLA 59-15761

SLA 59-11100

Sci
Dec 59
Vol 2, No 4.

102, 714

A New Crystallisable Organo-Metallic Complex
Containing Titanium and Aluminum and Its
Catalytic Properties in the Polymerisation
of Olefines, by G. Natta, et al.

ITALIANI, per, Atti Accademia Nazionale
dei Lincei, Vol XXVI, No 2, 1959, pp 150-154.

CAIRO

CECI - E101
Jul 62

207, 441

Natta, Giulio, Corradini, Paolo, and Allegra,
Giuseppe.

THE CRYSTALLINE STRUCTURE OF THE γ
FORM OF TITANIUM TRICHLORIDE. [1961] 10p.
(3 figs. 2 tables omitted).

Order from S.L.A. ml\$1.80, ph\$1.80

61-14479

Trans. of Accad[emia] Naz[ionale] [e dei] Lincei.
Classe [di] Scienze Fisiche Matematiche e
Naturali. Rend[iconto] [Italy] 1959, [ser. 8] v. 20,
p. 153-163.

The γ form presents a remarkable structural analogue
with the α form, which justifies the color (violet),
the density and the closely analogous chemical
behavior.

(Physics--Solid State, TT, v. 5, no. 12)

61-14479

- I. Titanium chlorides --
Crystal structure
- I. Natta, G.
- II. Corradini, P.
- III. Allegra, G.

Office of Technical Services

Isotactic Polymers, by G. Natta, 53 pp.

TRANSLATED, per, La Chimica e l'Industria,
Vol. XXXVII, 1955, pp 886-900.

SLA 61-17045

Ref
24 JUL 62
Vol VII, No 10

204, 790

Stereospecific Polymerization of Acetylene, by G. Matta, G. Mazzanti, P. Corradini, 15 pp.

ITALIAN, per, Accad Naz Lincei Classe di Sci Fis, Mat e Nat Rend, Ser 8, Vol XXV, No 1/2, 1958, pp 3-12.

SLA 59-15703

Sci
Dec 59
Vol 2, No 5

103,591

Stereospecific Polymerization of α -olefins.
Note IV. Polymerization of Propylene with Titanium
Chlorides and Various Aluminum Trialkyls, by
G. Natta, P. Pino, 13 p.

ITALIAN, *Mem. Gazz. Chim. Ital.*, 1958, Vol. LXXXVIII,
No. 2, pp. 219-228.

SLA 59-17561

Sci
Feb 60
Vol 2, No 10

108,833

(2-17316

Natta, G., Corradini, P., and Bassi, I. W.
THE CRYSTALLINE STRUCTURE OF ISOTACTIC
1,2-POLYBUTADIENE. [1962] 7p.
Order from ATS 86.95 ATS-039601

Trans. (d) Accademia Nazionale dei Lincei. Classe
(di) Scienze Fisiche, Matematiche e Naturali.
Rendiconti (Italy) 1957 [ser. 8] v. 21, no. 6,
p. 303-310.

DESCRIPTORS: Polymers, Butadiene, Crystal
structure

- I. Natta, G.
- II. Corradini, P.
- III. Bassi, I. W.
- IV. ATS-039601
- V. Associated Technical Services, Inc., East Orange, N. J.

1962

Office of Technical Services

(Chemistry - Organic, TT, v. 8, no. 4)

Process for the Manufacture and Purification of
Synthetic Polyalcohols, by G. Natta, E. Beati,
Sp.

ITALIAN, patent 388,799, filed 12 May 40,
granted 18 Sep 40,

MS-63L3II

Est
Apr 50
Vol III, No 2

111,652

the crystal structure of a new type of poly-
propylene, by G. Natta, P. Corradini, 13 pp.

ITALIAN, *Mem. Accademia Nazionale dei Lincei.*
Atti. Memorie de Scienze Fisiche, Serie 8,
Vol. IV, Ser. II, No 5, 1955, pp 73-80.

XX - 222

SLA 61-17647

Sci.
20 Jul 68
Vol. VII, No 10

204, 789

Structure of Alkali Cyanides and their
Isomorphism with Halides, by G. Natta, L.
Passerini.
ITALIAN, per, Gazz. Chim. Ital., Vol. 61, 1931,
pp 191-215
CSIRO/ No. 7719

G NATTA

Sci -
AUG 67

137-136

Natta, G. and Corradini, P.
CRYSTALLINE BUTADIENE POLYMERS AND STRUCTURE OF 1-2-POLYBUTADIENE. 17p. MTWL: 867.
Order from QTS or ETC \$1.85 61-17644

Trans. of Accademia Nazionale dei Lincei. Atti. Rendiconti di Classe di Scienze Fisiche, Matematiche e Naturali (July) 1955, ser. 8, v. 19, p. 229-237.

DESCRIPTORS: *Butadienes, Polymers, Crystals, Structure.

NAC-C2318
SLA 61-17644

61-17644

- I. Natta, G.
- II. Corradini, P.
- III. MTWL-867
- IV. Stichting Hoërlijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Natta, G. and others.
PRODUCTION OF CRYSTALLINE POLYOLEFINS IN
ABSENCE OF SOLVENTS. Jan 64.
Order from R15 \$26.00 R15-96779
Polyolefins Set \$750.00

Trans. of Belgian patent 551 276, by Montecatini,
Milan, Sep 56.

DESCRIPTORS: *Polyethylene plastics, Alkynes,
Polymerization, Metalorganic compounds, *Ziegler
catalysts.

High molecular weight, crystalline polymers of olefins
of the general formula $CH_2=CHR$ (R being hydrogen, a
saturated alkyl or aryl radical) are obtained by bringing
the olefin in the gas phase in contact with a solid catalyst
obtained by reacting a solid compound of a transition
metal of groups IV-VI of the periodic system in which
(Materials--Plastics, TT, v. 11, no. 11) (over)

TT-64-12319

- I. Natta, G.
- II. Patent (Belgium) 551 276
- III. R15-96779
- IV. Research Service
Indian Station, New York

180831

Office of Technical Services

TT-64-12518

Natta, G. and others.
HIGH-MOLECULAR WEIGHT COPOLYMERS OF
 α -OLEFINS WITH DIOLEFINS AND PROCESS FOR
THEIR PRODUCTION, Jan 64.
Order from RIS \$34.00 RIS-96635
Polyolefins Set \$750.00

- I. Name, G.
- II. Patent (Belgium) 546 150
- III. RIS-96635
- IV. Research Information Service, New York

Trans. of Belgian patent 546 150, by Montecatini,
Milan, Mar 56. (Abstract available)

DESCRIPTORS: *Polyethylene plastics, *Alkenes,
*Dienes, Copolymerization, Metalorganic compounds,
*Ziegler catalysts, *Aluminum compounds, Alkyl
radicals.

1060825

Amorphous, solid, substantially linear copolymers of
high molecular weight are obtained from diolefins
possessing at least one double vinyl bond and one or
several α -olefins of the general form $\text{CH}_2=\text{CHR}$ (R
(Materials--Plastics, TT, v. 11, no. 11) (over)

Office of Technical Services

Metta, Giulio and others.
HIGH-MOLECULAR WEIGHT ACETYLENE HYDROCARBONS AND PROCESS FOR THEIR PRODUCTION.

Jan 64.
Order from RES \$34.00
Hydrocarbons Ext \$75.00

RES-96683

TT-64-12933

- I. Metta, G.
- II. Patent (Belgium) 346 151
- III. RES-94633
- IV. Research Information Service, New York

Trans. of Belgian patent 346 151, by Montecatini, Milan, Mar 56. (Abstract available)

DESCRIPTORS: *Acetylenes, Polymerization, Metal-organic compounds, *Ziegler catalysts, *Aluminum compounds, Alkyl radicals, *Titanium compounds, Chlorides,

A process for polymerization of acetylene and other acetylenic hydrocarbons into polymers of a molecular weight exceeding 1000 by means of catalysts prepared by reacting a compound of a transition metal of groups IV to VIII such as titanium trichloride with a metal-organic (Chemistry--Organic, TT, v. 11, no. 11) (over)

1050826

Office of Technical Services

60-18496

Natta, Giulio, Carradini, Paolo, and Bassi, Ivano
Walter.
THE CRYSTAL STRUCTURE OF SOME POLY-ALPHA-
OLEFINS WHICH ARE ISOTACTIC. [1960] 11p. 12 refs.
Order from SLA \$1.60 60-18496

- I. Natta, G.
- II. Carradini, P.
- III. Bassi, I.

Trans. of Accad[em]ia Naz[ionale dell] Lincei. Atti.
Class[ificaz]ione di Sci[en]ze Fis[iche] Mat[ematiche] e Nat-
[urali]. Rend[iconto] (Italy) 1955 [ser. 8] v. 19,
p. 404-411.

Another trans. is available from QTS or ETC \$1.85 as
61-17348, MITWL-855/1, 14p.

DESCRIPTORS: *Crystal structure, *Polymers, X-ray
diffraction analysis, *Ethylene.

CSIRO

(Physics--Solid State, TT, v. 10, no. 1)

Office of Technical Services

Polymerization of Alpha Olefins; Report 2. Synthesis of linear isotactic and non-isotactic polymers of propylene; Report 3. Polymerization of propylene with different stereospecific catalysts, by Giulio Natta et al, 52 pp.

ITALIAN, per, Gazzetta Chimica Italiana, Vol LXXXVII, No 5, 1957, pp 528-585.

CIA/PDD XX-495
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem
Sup 58

93, 942
NY 1-511-311547

IAC INTERNAL USE ONLY

Stereospecific Polymerization of Conjugated
Diacetylenes with Catalysts Containing Different
Lattice Structural Forms of $TiCl_3$, by Guilio Batta
Rido Parri, Leonardo Fiore, 15 p.

ITALIENE, pp. 6, Casa Chim Ital, 1959, Vol LXXIX,
No 3, pp 761-774.

ELA 59-20016

10/24
10/3/53

Sci
Feb 60 Vol 2, No 10

Isotactic Polymers of Methyl-Substituted Styrenes,
by Dario Sianesi, Giulio Natta, Ferdinando Danusso, 10 p.
ITALIAN, per, Gazzetta Chimica Italiana, 1959,
Vol LXXXIX, No 3, pp 775-783.

SLA 60-10320

Sci
Apr 60
Vol III, No 2

111, 662

Radiographic Identification of Some Isotactic
Polymers, by Giulio Natta, Paolo Corradini,
Ivano Walter, 15 p.

ITALIAN, per, Gazzetta Chimica Italiana, 1959,
Vol LXXXIX, No 3, pp 784-797.

SLA 60-10701

Sci

May 60

Vol 3, No 4

116,779

A New Italian Demonstration in the Textile Industry:
The Polypropylene Fibre, by Giulio Natta, 18 p.

ITALIAN, per, la Chimica e l'Industria, 1959,
Vol. XLII, No 7, pp 647-652.

SLA 59-40861

Sci
Mar 60
Vol 3, No 1

2A 60-1117
110,971

Natta, Giulio, and other
HYDROGENATION OF ISOFACTIC 1,2- AND
SYNDIOFACTIC 1,2-CRYSTALLINE POLY-
BUTADIENE [(R2)] 10p. 16 refs.
Order from UTSC(chem) \$10.40
subsequent copies \$1.75/ea

UTSC(chem) 203

Trans. of [Accademia Nazionale dei Lincei (Classe
di Scienze Fisiche, Matematiche e Naturali)]
Rendiconti (Italy) 1960, v. 28, ser. 8, p. 452-460

DESCRIPTION: Polymers, Butadiene, Hydrogena-
tion, Crystal structure, Infrared spectroscopy.

(Chemistry-Congress, TT, v. 8, no. 4)

62-12968

- I. Natta, G.
- II. Porri, F.
- III. UTSC(chem)-203
- IV. Chemical Translating Service, Palo Alto, Calif.

0202030

Office of Technical Services

Natta, Giulio, Farina, Mario and others.
TRITACTIC POLYMERS: LETTER TO EDITOR
[1960] 1100 words, 3 refs.
Order from CTS(Chem) \$4.40 CTS(Chem)-188
subsequent copies \$0.75/ea.

Trans. of [1a] Chimica e [1']Industria (Italy) 1960,
v. 42, no. 12, p. 1361-1363.

ATS-498-GJ

(Chemistry--Organic, TT, v. 5, no. 7)

61-12502

1. Polymers--Molecular structure
2. Diene compounds--Molecular structure
3. Acrylic resins--Molecular structure
4. Title: Tritactic polymers
 - I. Natta, G.
 - II. Farina, M.
 - III. CTS(Chem)-188
 - IV. Chemical Translating Service, Palo Alto, Calif.

Office of Technical Services

Natta, Giulio.
CATALYTIC ASPECTS OF STEREOSPECIFIC POLYMERIZATIONS. [1966] 13,000 words, 79 refs.
Order from CTS(Chem) \$48.00 CTS(Chem)-179
Subsequent copies \$8.00/ea.

Trans. of [It] Chimica e [I]ndustria (Italy) 1960,
v. 42, no. 11, p. 1207-1225.

(Chemistry--Organic, TT, v. 5, no. 5)

(1-12498

1. Ethylene--Polymerization
 2. Metalorganic compounds--
Catalytic properties
 3. Polymerization--Analysis
 4. Title: Stereospecific
polymerization
- I. Natta, G.
II. CTS(Chem)-179
III. Chemical Translation
Service, Palo Alto, Calif.

Office of Technical Services

Natta, Giulio, Mazzanti, Giorgio and others.
LINEAR, ISOTACTIC HIGH POLYMERS DERIVED
FROM ALDUMONS BYOND ACETALDEHYDE.

[1962] pp. 1-11
C(Chem) 88 (1) 1-11
subsequent pages 81, 82/83

Tras. of Accademia Nazionale dei Lincei. (Classe
di Scienze Fisiche, Matematiche e Naturali)
Rendicenti (Italy) 1960, ser. 8, v. 28, no. 1,
p. 1-11

DESCRIPTORS: *Acetaldehydes, *Aldehydes,
*Polymers, Polymerization, X-ray spectrum,
Lattices, Crystallization.

(Comptare Organic, TT, v. 8, no. 2)

62-1206

- I. Title: Stereospecific polymerization
- I. Natta, G.
- II. Mazzanti, G.
- III. C(Chem): 249
- IV. Chemical Translation Service, Palo Alto, Calif.

(201, 6)

Office of Technical Services

02-1287

Natta, Giulio, Pasquon, Italo and others.
LINEAR HIGH POLYMERS OF PROPYLENE HAVING
A SYNDIOTACTIC STRUCTURE. [1962] Sp. 8 refs.
Order from CTS (Chem) \$6.80 CTS(Chem)-258
subsequent copies \$1.15/ea.

- I. Natta, G.
- II. Pasquon, I.
- III. CTS(Chem)-258
- IV. Chemical Translating Service, Palo Alto, Calif.

Transl. of [Accademia Nazionale dei Lincei. [Classe di Scienze Fisiche, Matematiche e Naturali]. Rendiconti] (Italy) 1960, v. 28, ser. 8, p 539-544.

DESCRIPTORS: *Polymers, *Propene, *Fractionation, Separation, Crystal structure, Atoms, Molecules.

02-1287

Office of Technical Services

(Chemistry--Organic, IT, v. 8, no. 4)

61-2248z

Natta, Giulio, Farina, Mario and others.
ASYMMETRIC SYNTHESSES OBTAINED BY PROCESSES
OF CATIONIC CHARACTER, 1961, 1180 words, 3 refs.
Order from CTS(Chem) \$4.80 CTS(Chem)-205
subsequent copies \$1.00/ea.

Trans. of [la] Chimica e [l']industria (Italy) 1961,
v. 43, no. 2, p. 161-162.

DESCRIPTORS: *Polymers, Synthesis, Catalysts,
*Monocyclic compounds, Polymerization.

(Chemistry--Organic, TT, v. 6, no. 2)

- I. Natta, G.
- II. Farina, M.
- III. Chem(CTS)-205
- IV. Chemical Translating
Service, Palo Alto, Calif.

Use of Dicyclopentadienyltitanium Deriva-
tives for the Study of Catalysts of Low-
Pressure Ethylene Polymerization,

by G. Natta, 5 pp.
ITALIAN, per, Chimica e l'Industria, Vol.
XXXII, No 1, 1957, pp 19-20.
CPSTI 11-6-18165

Sci - Chem
Jul 66

G. Natta
305,838

Recent Research in the Field of Olofine Chemistry,
by G. Matta, R. Ercoli, P. Nino, G. Mazzani,
P. Corradini, G. Lutzau, G. MCraglio, 31 pp.
F. Da NUSSO,
ITALIAN, Various.

CIA/FDD/XX-82
IAC INTERNAL USE ONLY

30,998

Scientific - Chemistry

Feb 56 CTR/DEX

XX-490

Copolymerization of Ethylene With Aliphatic
Olefins. Part 4. Ethylene-Propylene Copoly-
merization by Means of Vanadium Trichloride
Catalysts, by G. Natta, G. Mazzanti, et al., 12 pp

ITALIAN, par, Chimica e l'Industria, Vol XL,
No 9, 1958, pp 717-724.

Assoc Tech Serv UNKZI
12.95

ATS - SCIENT
SZA 51-14783
" 6, 230247
SZA 117111

Sci - Chem
QTS I, 4
Apr 59

Isotactic Polymers of Vinyl Monomers Containing
Silicon, by G. Natta, G. Mazzanti, et al, 8 pp.

ITALIAN, per, la Chimica e l'Industria, Vol XL,
No 10, 1958, pp 813-815.

SIA 77-65-1144

SIA 59-10172

Sci - Chem
Sep 59
Vol 2, No 1

97,272

Copolymerization of Ethylene with Aliphatic
 α -Olefins. V. Ethylene-Propylene Copolymerization
by Means of Titanium Halide Catalysts, by G. Natta,
A. Valvassori, et al., pp 17 ff.

ITALIAN, per, Chimica e l'Industria, Vol XL, No 11,
1958, pp 896-905.

Asso Tech Serv
6/12/58

ATS - 134-11-15

SZ A-57-11-15

89,525

Sci - Chem
OTS I, 9
Jun 59

Kinetics of the Chain Growth and Break off
Processes with the Stereospecific Polymeriza-
tion of Propylene, by G. Natta, 31 pp.
SHIBB, per, Mikromolekularni (Soviet, Vol XXIV,
No 3, 1957, pp 298-299.
COSTI TT-64-18151

Sci - Chem
Jul 66

G. Natta
305,023

Stereospecific Polymerization of Conjugated
Diolefins. Note III. Polymerization of
Butadiene with the System $Al(C_2H_5)_2/TiCl_4$
by G. Natta, L. Porri, et al., 14 pp.

Attili, per, la Chimica e l'Industria, Vol. XXI,
No. 5, 1959, pp. 398-404.

SLA 59-17384

SLA 59-17384

Sci.

Jan 50

Vol. 2, NO 7

104,833

The Influence of Hydrogen on the Anionic
Coordination Polymerization of Propylene and
of Ethylene, by G. Natta, G. Mazzanti, & p.

ITALIAN, per, *Chimica di Industria*, 1959,
Vol. XXI, No. 6, pp. 519-526.

SLA 60-10598

07561-10464

115, 778

Sci
May 60
Vol. 9, No. 4

**Stereospecific Polymerizations of Conjugated
Diene. IV. Synthesis and
Properties of Polystyrene-*b*-Polybutadiene,
by S. Hara, I. Nishii, G. Natta,
A. Takemura, I. Nishii,
Mitsubishi Chemicals, Ltd.,
Tokyo, Japan, 1970. 10 pp. 115-127.
Mitsubishi Chem. Ind. Rep. 1970.**

G. Natta

313, 140

Sci
Aug 67

A Few Reactions of Aromatic Chromotropic Acids,
by G. Natta, R. Kroell, et al., 84 pp.

ITALIAN, per, La Chimica e l'Industria, 1958,
Vol. XL, No 12, pp 1003-1007.

SLA 79-10485

Sci - Chem
OBS I, 12
Jul 59

97, 260

Natta, G., Bassi, I., and Corradini, P.
ON THE CHAIN STRUCTURE OF CRYSTALLINE
POLYVINYL ISOBUTYL ETHER. [1963] 7p. (figs.
omitted) 16 refs.

Order from SLA \$1.10

63-14194

Trans. of Makromolekulare Chemie (Switzerland) 1955,
v. 17, Dec., p. 455-462.

DESCRIPTORS: *Molecular structure, Crystal structure,
*Acetal plastics, Ethers, Plastics.

The chain structure of crystalline polyvinyl isobutyl
ether, prepared by a cationic catalysis mechanism, is
discussed. The x-ray photo data are interpreted with
the aid of the molecular transformation method, and it
is concluded that the polymer is isotactic in the crystal
phase (that is, the asymmetrical carbon atoms all have
the same steric (space) configuration), and the polymer
(Chemistry--Physical, TT, v. 10, no. 9) (over)

63-14194

- I. Title: Polyvinylisobutyl ether
- I. Natta, G.
- II. Bassi, I.
- III. Corradini, P.

Office of Technical Services

TT-63-2204

Natta, G[ulio] Bassi, I[vano Walter] and Corradini,
P[iero].
THE CHAIN STRUCTURE OF CRYSTALLINE POLY-
VINYL ISOBUTYL ETHER. [1963] 11p (figs omitted).
Order from K-H \$11.00 K-H 5388 a

Trans. of Makromolekulare Chemie (Switzerland) 1956,
v. 18/19, p. 455-462.

DESCRIPTORS: Ethers, *Butyl radicals, *Vinyl radi-
cals, Polymers, Crystallization, Molecular structure

- I. Natta, G. I.
- II. Bassi, I. W.
- III. Corradini, P.
- IV. K-H-5388-a
- V. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

(Chemistry--Organic, TT, v. 11, no. 2)

Office of Technical Services

Titanium- and Aluminum-Containing Crystallizable
Complexes Possessing Catalytic Activity in the
Polymerization of Ethlene, by G. Natta et al, 8 pp.

ITALIAN, per, J. Inorg & Nuclear Chem, Vol VIII,
1958, pp 612-619.

AT3 153-13
AT3 511291

Sci
Nov 59

100,405

Polymorphism of Crystalline Titanium Trichloride, by
G. Natta et al.

ITALIAN, per, Atti Acad Nazl Lincei Rend Classe Sci
Fis Mat e Nat, Vol XXIV, No 2, 1958, pp 121-129.

ATS 160-LJ

Sci
Nov 59

100,399

Stereospecific Polymerization of Styrene. I.
Data and Problems on Crystalline Polystyrenes, by
G. Natta, F. Danusso.

ITALIAN, *per*, *Chimica Ind.*, Vol XL, No 6, 1958,
pp 445-450.

ATS 161-LJ
SLA 59-17209
CSIRO

Sci *Phon*
Nov 59

100,401

Comparison, Between the Synthesis of Esters
From Acetylene and Ethylene by Reaction
with Carbon Monoxide and Alcohols,

by G. Natta, P. Pino.

ITALIAN, pt., Chimica e l'Industria, Vol XXIV,
1962, pp 449-455, No 3.

SLA TT 64-20344

G. Natta

May 67

3285,068

Stereospecific Polymerization of Conjugated Malefins.
II. Polymerization of Butadiene With Catalysts Pre-
pared From Aluminum Alkyls and Soluble Vanadium
Chlorides, by G. Batta, L. Porri, A. Mazzoni, 20 pp.

ITALIAN, per, Chimica e l'Industria, Vol XLI, No 2,
1959, pp 116-122.

BIA 59-15340

Sci - Chemistry
Nov 59

103,286

(FDD 28487)

Isotactic Polymers, by G. Natta, 25 pp.

FRENCH, monograph, Polymères Isotactiques,
Zurich, pp 1-27.

CIA/FDD U-8867

REur - Germany

Sci - Chemistry, organic chemistry

Oct 56

39,640

U-8867

The Elastomeric Properties of Ethylene-
Propylene Copolymers, by G. Natta, G. Crespi,
12 pp.

ITALIAN, Per, la Chimica e l'Industria, 1959,
Vol. XXI, No 2, pp 123-128.

BLA 59-15628

CT 5 61-10459

Sci
Oct 59
Vol 2, No 3

99,890

63-10606

ITALIA, G., PASQUINI, I., and GIUFFRÈ, I.
MECHANISM OF THE REGULATION OF MOLECULAR WEIGHTS OF ISOTACTIC POLYPROPYLENE BY ZINC ALKYLIDS. [1964] 12 p.
 Order from I.R.I. \$1.60

Trans. of the Chimica e Plastica (Italy) 1961 v. 41 (no. 6) p. 871-874.
 Another trans. is available from CTA (Chem) 59.20
 subsequent copies \$1.50/ea at CTA (Chem)-236
 [1961] 2300 words.

SYNOPSIS: *Polyethylene plastics, *Propanes, Polymerization, Catalysts, Molecular weight, Control, *Ziegler catalysts, *Allyl radicals, Ethyl radicals, *Metal-organic, Alkylidene compounds, Titanium compounds.

When polypropylene to isotactic polymers, with the aid of a catalytic system prepared from zirconium.
 (Materials-Plastics, TT, v. 10, no. 1) (over)

Office of Technical Services

Isophase Transitions of Polymers Derived From Normal
Aliphatic α -Olefins, by G. Natta, et al.

ITALIAN, *PT*, *Atti Accad Nazl, Lincei Rend Classe Sci,*
Fis Mat e Nat, Vol XLIV, 1958, pp 256-260.

ATS 152-10
SLA 59-15001

Sci
Nov 59

100,403

(Kinetics of Propylene Polymerization with Highly Stereospecific Heterogeneous Catalysts. Part IV., The Influence of Temperature and Pressure on the Kinetics of Polymeric Chain Growth and Termination Processes, by G. Natta, I. Pasquon, 21 p.)

ITALIAN, par, la Chimica Ind, 1958, Vol XL, No 2, pp 103-111.

ETA 59-20730 110,867

Sci Mar 60 Vol 3, No 1

Atactic and Stereoblock Polymers from Alpha-Olefins, by G. Natta, G. Mazzanti, P. Longi, 17 pp.

ITALIAN, Per, la Chimica e l'Industria, 1958, Vol XL, No 3, pp 183-188.

SLA 59-15515

Sci
Oct 59
Vol 2, No 3

99,889